

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Mariko MATSUMOTO, et al.  
Title: PORTABLE RADIO TERMINAL AND AFC CONTROL METHOD  
Appl. No.: Unassigned  
Filing Date: January 23, 2002  
Examiner: Unassigned  
Art Unit: Unassigned



**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

The relevance of the Document A3 is described in the present specification.

Document A1 is the U.S. counterpart to Document A2.

Document A2 relates to a mobile communication terminal that has automatic frequency control, and which includes a Document oscillator control device and a frequency error detector.

Document A3 relates to a pixel density converter that has two line memories and provides for low magnification.

Document A4 relates to deciding a correction value for correcting processing of a demodulator processing means in accordance with statistical information.

Document A5 relates to a radio communication equipment that conducts automatic frequency control that is immune to external disturbances.

Document A6 relates a reception circuit that includes a temperature-compensated crystal oscillator.

Document A7 relates to automatic frequency control for a radio terminal equipment, which includes a power feeding control part which intermittently controls power feeding to an oscillator.

Document A8 relates to a mobile radio equipment that attains detection of a frequency error with high accuracy by controlling operation and stop of frequency measurement based on a timing signal that depends on a received time slot. English translations of the foreign-language documents are not readily available. However, the absence of such translations does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609). English language abstracts are attached.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date January 23, 2002

FOLEY & LARDNER

Customer Number: 22428



22428

PATENT TRADEMARK OFFICE

Telephone: (202) 672-5407

Facsimile: (202) 672-5399

By

*Phillip J. Artiola*

Reg. No.  
38,819

for /

David A. Blumenthal  
Attorney for Applicant  
Registration No. 26,257

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 040425-0153		SERIAL NO. Unassigned	
<b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i>				APPLICANT Mariko MATSUMOTO, et al.			
				FILING DATE January 23, 2002		GROUP ART UNIT Unassigned	

JCS U.S. PTO  
 10/052777  
 01/23/02

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A1	6,275,699	08/14/01	Ichihara	455	434	

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	A2	10-164658	06/19/98	Japan				Abstr.
	A3	10-229491	08/25/98	Japan				Abstr.
	A4	11-308289	11/05/99	Japan				Abstr.
	A5	10-242885	09/11/98	Japan				Abstr.
	A6	2000-124825	04/28/00	Japan				Abstr.
	A7	2000-049647	02/18/00	Japan				Abstr.
	A8	08-032507	02/02/96	Japan				Abstr.

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	

EXAMINER	DATE CONSIDERED
----------	-----------------

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.